

REMOVED

\*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b 410

06sep03 09:53:55 User243004 Session D76.1  
\$0.00 0.161 DialUnits FileHomeBase  
\$0.00 Estimated cost FileHomeBase  
\$0.00 Estimated cost this search  
\$0.00 Estimated total session cost 0.161 DialUnits

File 410:Chronolog(R) 1981-2003/Aug  
(c) 2003 The Dialog Corporation

Set Items Description  
--- -----

? set hi ,set hi

HILIGHT set on as ''

HILIGHT set on as ''

? b411

06sep03 09:54:20 User243004 Session D76.2  
\$0.00 0.072 DialUnits File410  
\$0.00 Estimated cost File410  
\$0.08 TELNET  
\$0.08 Estimated cost this search  
\$0.08 Estimated total session cost 0.233 DialUnits

File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 2003 The Dialog Corporation plc

\*\*\* DIALINDEX search results display in an abbreviated \*\*\*

\*\*\* format unless you enter the SET DETAIL ON command. \*\*\*

? sf allscience

You have 282 files in your file list.

(To see banners, use SHOW FILES command)

? s bacteri? and (pheromone or lactone) and plant? and (disease or pathogen) and (gene or DNA or nucleic or nucleotide or protein or polypeptide or antibody)

Your SELECT statement is:

s bacteri? and (pheromone or lactone) and plant? and (disease or pathogen) and (gene or DNA or nucleic or nucleotide or protein or polypeptide or antibody)

Items	File
53	5: Biosis Previews(R)_1969-2003/Aug W5
1	8: Ei Compendex(R)_1970-2003/Aug W4
1	9: Business & Industry(R)_Jul/1994-2003/Sep 05
7	10: AGRICOLA_70-2003/Aug
1	15: ABI/Inform(R)_1971-2003/Sep 05
10	16: Gale Group PROMT(R)_1990-2003/Sep 05
1	20: Dialog Global Reporter_1997-2003/Sep 06
33	34: SciSearch(R) Cited Ref Sci_1990-2003/Aug W5
3	35: Dissertation Abs Online_1861-2003/Aug
17	47: Gale Group Magazine DB(TM)_1959-2003/Aug 27
24	50: CAB Abstracts_1972-2003/Aug
20	71: ELSEVIER BIOBASE_1994-2003/Aug W5
27	73: EMBASE_1974-2003/Aug W5
18	94: JICST-EPlus_1985-2003/Aug W5
37	98: General Sci Abs/Full-Text_1984-2003/Jul
Examined 50 files	
1	129: PHIND(Archival)_1980-2003/Aug W5
19	144: Pascal_1973-2003/Aug W4
14	148: Gale Group Trade & Industry DB_1976-2003/Sep 04
11	149: TGG Health&Wellness DB(SM)_1976-2003/Aug W4
25	155: MEDLINE(R)_1966-2003/Aug W5
8	156: ToxFile_1965-2003/Aug W5
1	172: EMBASE Alert_2003/Aug W5
8	180: Federal Register_1985-2003/Sep 05
3	203: AGRIS_1974-2003/Aug
Examined 100 files	
1	240: PAPERCHEM_1967-2003/Aug W5
13	266: FEDRIP_2003/Jul
5	285: BioBusiness(R)_1985-1998/Aug W1
4	292: GEOBASE(TM)_1980-2003/Aug
6	340: CLAIMS(R)/US Patent_1950-03/Sep 04
145	348: EUROPEAN PATENTS_1978-2003/Aug W05
1359	349: PCT FULLTEXT_1979-2002/UB=20030904,UT=20030828
1	353: Ei EnCompassPat(TM)_1964-200336
Examined 150 files	
19	357: Derwent Biotech Res._1982-2003/Sep W2
1	360: Specialty Chemicals Update Program_2000/Q2
5	369: New Scientist_1994-2003/Aug W5
2	370: Science_1996-1999/Jul W3
4	399: CA SEARCH(R)_1967-2003/UD=13910
99	440: Current Contents Search(R)_1990-2003/Sep 05
1	444: New England Journal of Med._1985-2003/Sep W1
4	453: Drugs of the Future_1990-2002/Oct
1	455: Drug News & Perspectives_1992-2003/Aug
2	461: USP DI(R) Vol. I_1998/Q3
22	484: Periodical Abs Plustext_1986-2003/Aug W5
Examined 200 files	
2	570: Gale Group MARS(R)_1984-2003/Sep 05
2	624: McGraw-Hill Publications_1985-2003/Sep 05
1	635: Business Dateline(R)_1985-2003/Sep 05
3	636: Gale Group Newsletter DB(TM)_1987-2003/Sep 05
Processing	
1782	654: US PAT.FULL._1976-2003/Sep 02
Examined 250 files	
1	764: BCC Market Research_1989-2003/Sep
1	765: Frost & Sullivan_1992-1999/Apr

50 files have one or more items; file list includes 282 files.  
One or more terms were invalid in one file.

? save temp

Temp SearchSave "TD051" stored

? RF

Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOG-  
EN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR  
ANTIBODY)

Ref	Items	File
N1	1782	654: US PAT.FULL._1976-2003/Sep 02
N2	1359	349: PCT FULLTEXT_1979-2002/UB=20030904,UT=20030828
N3	145	348: EUROPEAN PATENTS_1978-2003/Aug W05
N4	99	440: Current Contents Search(R)_1990-2003/Sep 05
N5	53	5: Biosis Previews(R)_1969-2003/Aug W5
N6	37	98: General Sci Abs/Full-Text_1984-2003/Jul
N7	33	34: SciSearch(R) Cited Ref Sci_1990-2003/Aug W5
N8	27	73: EMBASE_1974-2003/Aug W5
N9	25	155: MEDLINE(R)_1966-2003/Aug W5
N10	24	50: CAB Abstracts_1972-2003/Aug

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOG-  
EN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR  
ANTIBODY)

Ref	Items	File
N11	22	484: Periodical Abs Plustext_1986-2003/Aug W5
N12	20	71: ELSEVIER BIOBASE_1994-2003/Aug W5
N13	19	144: Pascal_1973-2003/Aug W4
N14	19	357: Derwent Biotech Res._1982-2003/Sep W2
N15	18	94: JICST-Eplus_1985-2003/Aug W5
N16	17	47: Gale Group Magazine DB(TM)_1959-2003/Aug 27
N17	14	148: Gale Group Trade & Industry DB_1976-2003/Sep 04
N18	13	266: FEDRIP_2003/Jul
N19	11	149: TGG Health&Wellness DB(SM)_1976-2003/Aug W4
N20	10	16: Gale Group PROMT(R)_1990-2003/Sep 05

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

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Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOG-  
EN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR  
ANTIBODY)

Ref	Items	File
N21	8	156: ToxFile_1965-2003/Aug W5
N22	8	180: Federal Register_1985-2003/Sep 05
N23	7	10: AGRICOLA_70-2003/Aug
N24	6	340: CLAIMS(R)/US Patent_1950-03/Sep 04
N25	5	285: BioBusiness(R)_1985-1998/Aug W1
N26	5	369: New Scientist_1994-2003/Aug W5
N27	4	292: GEOBASE(TM)_1980-2003/Aug
N28	4	399: CA SEARCH(R)_1967-2003/UD=13910
N29	4	453: Drugs of the Future_1990-2002/Oct
N30	3	35: Dissertation Abs Online_1861-2003/Aug

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOGEN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR ANTIBODY)

Ref	Items	File
N31	3	203: AGRIS_1974-2003/Aug
N32	3	636: Gale Group Newsletter DB(TM)_1987-2003/Sep 05
N33	2	370: Science_1996-1999/Jul W3
N34	2	461: USP DI(R) Vol. I_1998/Q3
N35	2	570: Gale Group MARS(R)_1984-2003/Sep 05
N36	2	624: McGraw-Hill Publications_1985-2003/Sep 05
N37	1	8: Ei Compendex(R)_1970-2003/Aug W4
N38	1	9: Business & Industry(R)_Jul/1994-2003/Sep 05
N39	1	15: ABI/Inform(R)_1971-2003/Sep 05
N40	1	20: Dialog Global Reporter_1997-2003/Sep 06

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOGEN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR ANTIBODY)

Ref	Items	File
N41	1	129: PHIND(Archival)_1980-2003/Aug W5
N42	1	172: EMBASE Alert_2003/Aug W5
N43	1	240: PAPERCHEM_1967-2003/Aug W5
N44	1	353: Ei EnCompassPat(TM)_1964-200336
N45	1	360: Specialty Chemicals Update Program_2000/Q2
N46	1	444: New England Journal of Med._1985-2003/Sep W1
N47	1	455: Drug News & Perspectives_1992-2003/Aug
N48	1	635: Business Dateline(R)_1985-2003/Sep 05
N49	1	764: BCC Market Research_1989-2003/Sep
N50	1	765: Frost & Sullivan_1992-1999/Apr

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

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Your last SELECT statement was:

S BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOGEN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR ANTIBODY)

Ref	Items	File
N51	0	2: INSPEC_1969-2003/Aug W4
N52	0	6: NTIS_1964-2003/Sep W1
N53	0	18: Gale Group F&S Index(R)_1988-2003/Sep 05
N54	0	19: Chem.Industry Notes_1974-2003/ISS 200336
N55	0	25: Weldasearch_1966-2002/Mar
N56	0	29: Meteor. & Geoastro.Abs._1970-2002/Jul
N57	0	31: World Surface Coatings Abs_1976-2003/Aug
N58	0	40: Enviroline(R)_1975-2003/Aug
N59	0	42: Pharmaceutical News Idx_1974-2003/Aug W5
N60	0	48: SPORTDiscus_1962-2003/Aug

50 files have one or more items; file list includes 282 files.

- Enter P or PAGE for more -

? b n1:n50;exs

06sep03 10:08:14 User243004 Session D76.3

Set	Items	Description
S1	3829	BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND (DISEASE OR PATHOGEN) AND (GENE OR DNA OR NUCLEIC OR NUCLEOTIDE OR PR- OTEIN OR POLYPEPTIDE OR ANTIBODY)
S2	3299	S1/1998:2003
S3	530	S1 NOT S2
S4	448	RD (unique items)
S5	50	TARGET - S3
S6	6	S5 AND (TRANSGENIC OR TRANSFORM) AND PLANT
?		

\$25.01 12.503 DialUnits File411  
\$25.01 Estimated cost File411  
\$3.26 TELNET  
\$28.27 Estimated cost this search  
\$28.35 Estimated total session cost 12.736 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 654:US PAT.FULL. 1976-2003/Sep 02  
(c) FORMAT ONLY 2003 THE DIALOG CORP.  
\*File 654: US published applications now online. See HELP NEWS 654 for details. Reassignments current through April 14, 2003  
File 349:PCT FULLTEXT 1979-2002/UB=20030904,UT=20030828  
(c) 2003 WIPO/Univentio  
File 348:EUROPEAN PATENTS 1978-2003/Aug W05  
(c) 2003 European Patent Office  
File 440:Current Contents Search(R) 1990-2003/Sep 05  
(c) 2003 Inst for Sci Info  
File 5:Biosis Previews(R) 1969-2003/Aug W5  
(c) 2003 BIOSIS  
File 98:General Sci Abs/Full-Text 1984-2003/Jul  
(c) 2003 The HW Wilson Co.  
File 34:SciSearch(R) Cited Ref Sci 1990-2003/Aug W5  
(c) 2003 Inst for Sci Info  
File 73:EMBASE 1974-2003/Aug W5  
(c) 2003 Elsevier Science B.V.  
File 155:MEDLINE(R) 1966-2003/Aug W5  
(c) format only 2003 The Dialog Corp.  
\*File 155: Medline has been reloaded and accession numbers have changed. Please see HELP NEWS 155.  
File 50:CAB Abstracts 1972-2003/Aug  
(c) 2003 CAB International  
\*File 50: Truncating CC codes is recommended for full retrieval. See Help News50 for details.  
File 484:Periodical Abs Plustext 1986-2003/Aug W5  
(c) 2003 ProQuest  
\*File 484: SELECT IMAGE AVAILABILITY FOR PROQUEST FILES  
ENTER 'HELP PROQUEST' FOR MORE  
File 71:ELSEVIER BIOBASE 1994-2003/Aug W5  
(c) 2003 Elsevier Science B.V.  
File 144:Pascal 1973-2003/Aug W4  
(c) 2003 INIST/CNRS  
File 357:Derwent Biotech Res. 1982-2003/Sep W2  
(c) 2003 Thomson Derwent & ISI  
\*File 357: File is now current. See HELP NEWS 357.  
Alert feature enhanced for multiple files, etc. See HELP ALERT.  
File 94:JICST-EPlus 1985-2003/Aug W5  
(c)2003 Japan Science and Tech Corp(JST)  
File 47:Gale Group Magazine DB(TM) 1959-2003/Aug 27  
(c) 2003 The Gale group  
File 148:Gale Group Trade & Industry DB 1976-2003/Sep 04  
(c)2003 The Gale Group  
\*File 148: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.  
File 266:FEDRIP 2003/Jul  
Comp & dist by NTIS, Intl Copyright All Rights Res  
File 149:TGG Health&Wellness DB(SM) 1976-2003/Aug W4  
(c) 2003 The Gale Group  
File 16:Gale Group PROMT(R) 1990-2003/Sep 05  
(c) 2003 The Gale Group  
\*File 16: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.  
File 156:ToxFile 1965-2003/Aug W5  
(c) format only 2003 The Dialog Corporation  
\*File 156: ToxFile has been reloaded. Accession numbers

have changed. Please see HELP NEWS 156 for details.

File 180:Federal Register 1985-2003/Sep 05

(c) 2003 format only The DIALOG Corp

File 10:AGRICOLA 70-2003/Aug

(c) format only 2003 The Dialog Corporation

File 340:CLAIMS(R)/US Patent 1950-03/Sep 04

(c) 2003 IFI/CLAIMS(R)

\*File 340: The Claims U.S. Patent databases have been reloaded.

HELP NEWS340 & HELP ALERTS340 for search, display & Alert info.

File 285:BioBusiness(R) 1985-1998/Aug W1

(c) 1998 BIOSIS

\*File 285: This file is closed (no updates)

File 369:New Scientist 1994-2003/Aug W5

(c) 2003 Reed Business Information Ltd.

File 292:GEOBASE(TM) 1980-2003/Aug

(c) 2003 Elsevier Science Ltd.

File 399:CA SEARCH(R) 1967-2003/UD=13910

(c) 2003 American Chemical Society

\*File 399: Use is subject to the terms of your user/customer agreement.

Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 453:Drugs of the Future 1990-2002/Oct

(c) 2002 Prous Science

\*File 453: Updating of this file has temporarily ceased due to a production system change.

File 35:Dissertation Abs Online 1861-2003/Aug

(c) 2003 ProQuest Info&Learning

File 203:AGRIS 1974-2003/Aug

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File 636:Gale Group Newsletter DB(TM) 1987-2003/Sep 05

(c) 2003 The Gale Group

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

\*File 370: This file is closed (no updates). Use File 47 for more current information.

File 461:USP DI(R) Vol. I 1998/Q3

(c) 1998 U.S. Pharmacopeial Conv., Inc.

\*File 461: File is not currently updating due to change in ownership.

File 570:Gale Group MARS(R) 1984-2003/Sep 05

(c) 2003 The Gale Group

File 624:McGraw-Hill Publications 1985-2003/Sep 05

(c) 2003 McGraw-Hill Co. Inc

\*File 624: Homeland Security & Defense and 9 Platt energy journals added  
Please see HELP NEWS624 for more

File 8:Ei Compendex(R) 1970-2003/Aug W4

(c) 2003 Elsevier Eng. Info. Inc.

File 9:Business & Industry(R) Jul/1994-2003/Sep 05

(c) 2003 Resp. DB Svcs.

File 15:ABI/Inform(R) 1971-2003/Sep 05

(c) 2003 ProQuest Info&Learning

\*File 15: Alert feature enhanced for multiple files, duplicate removal, customized scheduling. See HELP ALERT.

File 20:Dialog Global Reporter 1997-2003/Sep 06

(c) 2003 The Dialog Corp.

File 129:PHIND(Archival) 1980-2003/Aug W5

(c) 2003 PJB Publications, Ltd.

\*File 129: Genomika will cease to exist as an independent newsletter.

Please see HELP NEWS 129, for details.

File 172:EMBASE Alert 2003/Aug W5

(c) 2003 Elsevier Science B.V.

File 240:PAPERCHEM 1967-2003/Aug W5

(c) 2003 Elsevier Eng. Info. Inc.

File 353:Ei EnCompassPat(TM) 1964-200336

(c) 2003 Elsevier Eng. Info. Inc.

\*File 353: Ei EnCompassPat/Ei EnCompassLit combined usage is

limited to 2 hrs/yr.

File 360:Specialty Chemicals Update Program 2000/Q2

(c) 2000 SRI International

\*File 360: Full fmts cost \$85.00 each for TYPEs, DISPLAYs, & PRINTs.

Fmt 7 costs \$50.00. SCUP subscribers - use F960.Updating suspended.

File 444:New England Journal of Med. 1985-2003/Sep W1

(c) 2003 Mass. Med. Soc.

File 455:Drug News & Perspectives 1992-2003/Aug

(c) 2003 Prous Science

File 635:Business Dateline(R) 1985-2003/Sep 05

(c) 2003 ProQuest Info&Learning

File 764:BCC Market Research 1989-2003/Sep

(c) 2003 Business Communication Co.

\*File 764: KWIC costs \$3.30 in File 764.

File 765:Frost & Sullivan 1992-1999/Apr

(c) 1999 Frost & Sullivan Inc.

\*File 765: File no longer updating; use File 767.

KWIC costs \$3.30 in File 765.

Set Items Description

--- -----

Executing TD051

Hilight option is not available in file(s) 399

HILIGHT set on as '%'

Processing

Processing

Processing

Processing

Processing

Processed 10 of 50 files ...

Processing

Processing

Processed 20 of 50 files ...

Processing

Processing

Processed 30 of 50 files ...

Processing

Processed 40 of 50 files ...

Completed processing all files

5974485 BACTERI?

110270 PHEROMONE

232742 LACTONE

14727644 PLANT?

13441009 DISEASE

616672 PATHOGEN

6394720 GENE

4928499 DNA

1252372 NUCLEIC

1545912 NUCLEOTIDE

9636874 PROTEIN

581532 POLYPEPTIDE

2564245 ANTIBODY

S1 3829 BACTERI? AND (PHEROMONE OR LACTONE) AND PLANT? AND  
(DISEASE OR PATHOGEN) AND (GENE OR DNA OR NUCLEIC OR  
NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE OR ANTIBODY)

? s s1/1998:2003

Processing

Processed 10 of 50 files ...

Processing

>>>One or more prefixes are unsupported

>>> or undefined in one or more files.

>>>Year ranges not supported in one or more files

Processed 20 of 50 files ...

Processing

that allow binding of the %antibody% to OPG; and  
detecting the bound %antibody%.

42. A method to assess the ability of a candidate substance to bind to  
OPG...

...of regulating the levels of OPG in an animal comprising modifying the  
animal with a %nucleic% acid encoding OPG.

44. The method of Claim 43 wherein the %nucleic% acid promotes an  
increase in the tissue level of OPG.

45. The method of Claim...

...A method of treating a bone disorder comprising administering a  
therapeutically effective amount of the %polypeptide% of Claim 19.

50. The method of Claim 49 wherein the %polypeptide% is human OPG.

51. The method of Claim 49 wherein the bone disorder is excessive...

...51 wherein the bone disorder is selected from the group consisting of  
osteoporosis, Paget's %disease% of bone, hypercalcemia,  
hyperparathyroidism, steroid-induced osteopenia, bone loss due to  
rheumatoid arthritis, bone loss...

...members, IL-1 inhibitors, TNF(alpha) inhibitors, parathyroid hormone and  
analogs thereof, parathyroid hormone related %protein% and analogs  
thereof, E series prostaglandins, bisphosphonates, and bone-enhancing  
minerals.

54. An osteoprotegerin multimer...

4/8,K/343 (Item 1 from file: 440)

DIALOG(R)File 440:(c) 2003 Inst for Sci Info. All rts. reserv.

04615139 References: 63

TITLE: A SMALL DIFFUSIBLE SIGNAL MOLECULE IS RESPONSIBLE FOR THE GLOBAL  
CONTROL OF VIRULENCE AND EXOENZYME PRODUCTION IN THE %PLANT% %PATHOGEN%  
ERWINIA-CAROTOVORA (Abstract Available)

1993

GENUINE ARTICLE#: LF938

JOURNAL SUBJECT CATEGORY: MOLECULAR BIOLOGY & GENETICS

DESCRIPTORS--Author Keywords: AUTOINDUCER ; CELL DENSITY SIGNAL ;  
EXTRACELLULAR COMPLEMENTATION ; GLOBAL REGULATION ; PATHOGENICITY

IDENTIFIERS--Keywords Plus: SOFT-ROT ERWINIAS; ESCHERICHIA-COLI; SUBSP  
CAROTOVORA; VIBRIO-FISCHERI; %BACTERIAL% BIOLUMINESCENCE;  
ENZYME-PRODUCTION; CHRYSANTHEMI; %GENE%; %CLONING%; IDENTIFICATION

...TITLE: SIGNAL MOLECULE IS RESPONSIBLE FOR THE GLOBAL CONTROL OF  
VIRULENCE AND EXOENZYME PRODUCTION IN THE %PLANT% %PATHOGEN%  
ERWINIA-CAROTOVORA

ABSTRACT: Virulence of the %plant% %pathogen% Erwinia carotovora subsp.  
carotovora is dependent on the production and secretion of a complex  
arsenal of %plant% cell wall-degrading enzymes. Production of these  
exoenzymes is controlled by a global regulatory mechanism...

...loci, expI, show a pleiotropic defect in the growth phase-dependent  
transcriptional activation of exoenzyme %gene% expression. The expI %gene%  
encodes a 26 kDa %polypeptide% that is structurally and functionally  
related to the luxI %gene% product of Vibrio fischeri. Functional  
similarity of expI and luxI has been demonstrated by reciprocal...

...phase-dependent manner by directing the synthesis of the diffusible  
autoinducer, N-(3-oxohexanoyl) homoserine %lactone%. E.c. subsp.  
carotovora expI+ strains or Escherichia coli harboring the cloned expI  
%gene% excrete a small diffusible signal molecule that complements the expI  
mutation of Erwinia as well...

...V.fischeri. This extracellular complementation can also be achieved by

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 16:40:27 ON 27 AUG 2003.

=> file caplus biosis agricola medline europatfull patents

FILE 'ENCOMPAT' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 16:41:14 ON 27 AUG 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 16:41:14 ON 27 AUG 2003

COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'AGRICOLA' ENTERED AT 16:41:14 ON 27 AUG 2003

FILE 'MEDLINE' ENTERED AT 16:41:14 ON 27 AUG 2003

FILE 'EUROPATFULL' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'CAOLD' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'CASREACT' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'CROPU' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'DGENE' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'DPCI' ENTERED AT 16:41:14 ON 27 AUG 2003

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FILE 'ENCOMPAT2' ENTERED AT 16:41:14 ON 27 AUG 2003

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CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:41:14 ON 27 AUG 2003  
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 16:41:14 ON 27 AUG 2003  
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s (yenI or cvilI or carI or lux or traI or lasI or vsmI) (2a) (gene or nucleic or DNA or nucleotide or RNA or protein)

3 FILES SEARCHED...

6 FILES SEARCHED...

9 FILES SEARCHED...

20 FILES SEARCHED...

24 FILES SEARCHED...

32 FILES SEARCHED...

L1 2309 (YENI OR CVII OR CARI OR LUX OR TRAI OR LASI OR VSMI) (2A) (GENE OR NUCLEIC OR DNA OR NUCLEOTIDE OR RNA OR PROTEIN)

=> s l1 and homoserine (w) lactone and plant?

15 FILES SEARCHED...

L2 83 L1 AND HOMOSERINE (W) LACTONE AND PLANT?

=> s l2 not PY>1998

10 FILES SEARCHED...

22 FILES SEARCHED...

L3 9 L2 NOT PY>1998

=> d l3 1-9 ab

L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AB Many bacteria, including several pathogens of **plants** and humans, use a pheromone called an autoinducer to regulate gene expression in a cell d.-dependent manner. Agrobacterium autoinducer [AAI, N-(3-oxo-octanoyl)-L-**homoserine lactone**] of A. tumefaciens is synthesized by the **TraI protein**, which is encoded by the tumor-inducing plasmid. Purified hexahistidinyI-TraI (H6-TraI) used S-adenosylmethionine to make the **homoserine lactone** moiety of AAI, but did not use related compds. H6-TraI used 3-oxo-octanoyl-acyl carrier protein to make the 3-oxo-octanoyl moiety of AAI, but did not use 3-oxo-octanoyl-CoA. These results demonstrate the enzymic synthesis of an autoinducer through the use of purified substrates.

L3 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AB Ti plasmids of Agrobacterium tumefaciens, in addn. to transferring oncogenic DNA to the nuclei of infected **plant** cells, can conjugally transfer between agrobacteria. Conjugation of wide-host-range octopine-type Ti plasmids requires a tumor-released arginine deriv. called octopine. Octopine stimulates expression of the traR gene, whose product directly activates other tra genes in the presence of an acylated **homoserine lactone** called Agrobacterium autoinducer (AAI). We have localized the transcription starts of three tra promoters and find conserved elements (tra boxes) at virtually identical positions upstream of each promoter. Disruption of these tra boxes abolished induction of each promoter. Deletion anal. of the traI promoter indicates that tra boxes are the only upstream elements required for transcriptional activation. Since Ti plasmid donor cells both produce and respond to AAI, we tested whether expression of tra promoters was enhanced by high concns.

of bacteria. Both tra gene expression and conjugation itself were strongly stimulated either by high donor densities or by exogenous AAI.

L3 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AB In *E. carotovora* both N-(3-oxohexanoyl)-L-homoserine lactone (I), a small diffusible signal mol., and carbapenem prodn. were shown to be cell d. dependent, with antibiotic synthesis only commencing once I reached a crit. level. CarI, a luxI homolog which directs the biosynthesis of I, was identified in *E. carotovora*. CarI, and consequently carbapenem biosynthesis, were autoinducible via I.

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L3 ANSWER 5 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AB Ti plasmids of *Agrobacterium tumefaciens*, in addition to transferring oncogenic DNA to the nuclei of infected plant cells, can conjugally transfer between agrobacteria. Conjugation of wide-host-range octopine-type Ti plasmids requires a tumor-released arginine derivative called octopine. Octopine stimulates expression of the traR gene, whose product directly activates other tra genes in the presence of an acylated homoserine lactone called *Agrobacterium* autoinducer (AAI). We have localized the transcription starts of three tra promoters and find conserved elements (tra boxes) at virtually identical positions upstream of each promoter. Disruption of these tra boxes abolished induction of each promoter. Deletion analysis of the traI promoter indicates that tra boxes are the only upstream elements required for transcriptional activation. Since Ti plasmid donor cells both produce and respond to AAI, we tested whether expression of tra promoters was enhanced by high concentrations of bacteria. Both tra gene expression and conjugation itself were strongly stimulated either by high donor densities or by exogenous AAI.

L3 ANSWER 6 OF 9 MEDLINE on STN

AB Conjugal transfer of Ti plasmids from *Agrobacterium* donors to bacterial recipients is controlled by two types of diffusible signal molecules. Induction is mediated by novel compounds, called opines, that are secreted by crown gall tumours. These neoplasias result from infection of susceptible plants by virulent agrobacteria. The second diffusible signal, called conjugation factor, is synthesized by the donor bacteria themselves. Production of this factor is induced by the opine. Here we show that conjugation is regulated directly by a transcriptional activator, TraR, which requires conjugation factor as a coinducer to activate tra gene expression. TraR is a homologue of LuxR, the lux gene activator from *Vibrio fischeri* which also requires an endogenously synthesized diffusible coinducer. The two regulatory systems are related; the two activator proteins show amino-acid sequence similarities and the lux system cofactor, autoinducer, will substitute for conjugation factor in the TraR-dependent activation of Ti plasmid tra genes.

L3 ANSWER 7 OF 9 USPATFULL on STN

AB The invention provides assays, kits and bacteria useful for detection of autoinducers. In a preferred aspect, the assay comprises 1) contacting a test sample suspected of containing an autoinducer with bacteria of the invention that are capable of producing an elevated amount of light in the presence of an exogenous autoinducer and that has at least two distinct genetic alterations that can each inhibit production of endogenous autoinducers; and 2) measuring the production of light. The

sample will test positive for the presence of an autoinducer if a greater amount of light is produced relative to a control. The assays and kits have a variety of applications including use as an in vitro diagnostic for animal and **plant** disorders.

L3 ANSWER 8 OF 9 USPATFULL on STN

AB Autoinducer molecules, e.g., N-(3-oxododecanoyl)**homoserine lactone**, for *Pseudomonas aeruginosa* are described. The molecules regulate gene expression in the bacterium. Therapeutic compositions and therapeutic methods involving analogs and/or inhibitors of the autoinducer molecules also are described. The molecules are useful for treating or preventing infection by *Pseudomonas aeruginosa*.

L3 ANSWER 9 OF 9 USPATFULL on STN

AB The invention relates to an expression vector system based on the regulation of bacterial luminescence (the **lux gene** system). The invention further relates to the construction of a precisely regulatable expression vector system which comprises a complete luxR gene in combination with an inactivated luxI gene. If the system is turned off, no significant transcription occurs of any cloned gene product when used in combination with the regulatory scheme of the invention as is demonstrated by using the bacteriophage  $\lambda$  lysis genes. The induction of transcription relies on the addition of exogenous autoinducer which is both inexpensive and easy-to-use and which is required in only minute amounts.

=> d l3 1-9

L3 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1996:363087 CAPLUS

DN 125:52150

TI Enzymic synthesis of a quorum-sensing autoinducer through use of defined substrates

AU More, Margret I.; Finger, L. David; Stryker, Joel L.; Fuqua, Clay; Eberhard, Anatol; Winans, Stephen C.

CS Section Microbiol., Cornell Univ., Ithaca, NY, 14853, USA

SO Science (Washington, D. C.) (1996), 272(5268), 1655-1658

CODEN: SCIEAS; ISSN: 0036-8075

PB American Association for the Advancement of Science

DT Journal

LA English

L3 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1996:36143 CAPLUS

DN 124:167246

TI Conserved cis-acting promoter elements are required for density-dependent transcription of *Agrobacterium tumefaciens* conjugal transfer genes

AU Fuqua, Clay; Winans, Stephen C.

CS Dep. Biol., Trinity Univ., San Antonio, TX, 78212, USA

SO Journal of Bacteriology (1996), 178(2), 435-40

CODEN: JOBAAAY; ISSN: 0021-9193

PB American Society for Microbiology

DT Journal

LA English

L3 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1995:404830 CAPLUS

DN 122:209428

TI Small molecule mediated autoinduction of antibiotic biosynthesis in the **plant** pathogen *Erwinia carotovora*

AU Chan, Pan F.; Bainton, Nigel J.; Daykin, Mavis M.; Winson, Michael K.; Chhabra, Siri R.; Stewart, Gordon S. A. B.; Salmond, George P. C.; Bycroft, Barrie W.; Williams, Paul

CS Department of Pharmaceutical Sciences, Univ. of Nottingham, Nottingham,  
NG7 2RD, UK

SO Biochemical Society Transactions (1995), 23(1), 127S  
CODEN: BCSTB5; ISSN: 0300-5127

PB Portland Press

DT Journal

LA English

L3 ANSWER 4 OF 9 AGRICOLA Compiled and distributed by the National  
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AN 1998:54922 AGRICOLA

DN IND20632928

TI N-acyl-homoserine lactone-mediated gene regulation in  
biological control by fluorescent pseudomonads: current knowledge and  
future work.

AU Pierson, L.S. III; Wood, D.W.; Pierson, E.A.; Chancey, S.T.

AV DNAL (SB599.E97)

SO European journal of plant pathology, Jan 1998. Vol. 104, No. 1. p. 1-9  
Publisher: Dordrecht ; Boston : Kluwer Academic Publishers, c1994-  
CODEN: EPLPEH; ISSN: 0929-1873

NTE Includes references

CY Netherlands

DT Article; Law

FS Non-U.S. Imprint other than FAO

LA English

L3 ANSWER 5 OF 9 AGRICOLA Compiled and distributed by the National  
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(2003) on STN

AN 96:19227 AGRICOLA

DN IND20504883

TI Conserved cis-acting promoter elements are required for density-dependent  
transcription of Agrobacterium tumefaciens conjugal transfer genes.

AU Fuqua, C.; Winans, S.C.

CS Trinity University, San Antonio, TX.

AV DNAL (448.3 J82)

SO Journal of bacteriology, Jan 1996. Vol. 178, No. 2. p. 435-440  
Publisher: Washington, D.C. : American Society for Microbiology.  
CODEN: JOBAAY; ISSN: 0021-9193

NTE Includes references

CY District of Columbia; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 6 OF 9 MEDLINE on STN

AN 93218718 MEDLINE

DN 93218718 PubMed ID: 8464476

TI Conjugation factor of Agrobacterium tumefaciens regulates Ti plasmid  
transfer by autoinduction.

AU Piper K R; Beck von Bodman S; Farrand S K

CS Department of Plant Pathology, University of Illinois, Urbana/Champaign  
61801.

SO NATURE, (1993 Apr 1) 362 (6419) 448-50.  
Journal code: 0410462. ISSN: 0028-0836.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-Z15003

EM 199304

ED Entered STN: 19930521  
Last Updated on STN: 20021008  
Entered Medline: 19930430

L3 ANSWER 7 OF 9 USPATFULL on STN  
AN 1998:61418 USPATFULL  
TI Assays, test kits and bacteria for detection of autoinducers  
IN Dunlap, Paul Vernon, Woods Hole, MA, United States  
PA Woods Hole Oceanographic Institution, Woods Hole, MA, United States  
(U.S. corporation)  
PI US 5759798 19980602  
AI US 1995-569973 19951208 (8)  
DT Utility  
FS Granted  
LN.CNT 742  
INCL INCLM: 435/029.000  
INCLS: 435/006.000  
NCL NCLM: 435/029.000  
NCLS: 435/006.000  
IC [6]  
ICM: C12Q001-02  
EXF 435/29; 435/6  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 9 USPATFULL on STN  
AN 97:1591 USPATFULL  
TI Autoinducer molecule  
IN Pearson, James P., Iowa City, IA, United States  
Gray, Kendall M., Iowa City, IA, United States  
Passador, Luciano, Rochester, NY, United States  
Tucker, Kenneth D., Germantown, MD, United States  
Eberhard, Anatol, Brooktondale, NY, United States  
Iglewski, Barbara H., Fairport, NY, United States  
Greenberg, Everett P., Iowa City, IA, United States  
PA The University of Iowa Research Foundation, Iowa City, IA, United States  
(U.S. corporation)  
PI US 5591872 19970107  
AI US 1993-104487 19930809 (8)  
DT Utility  
FS Granted  
LN.CNT 1006  
INCL INCLM: 549/321.000  
INCLS: 435/004.000  
NCL NCLM: 549/321.000  
NCLS: 435/004.000  
IC [6]  
ICM: C07D307-33  
EXF 549/321; 435/4  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 9 OF 9 USPATFULL on STN  
AN 93:22604 USPATFULL  
TI Precisely regulated expression of deleterious genes  
IN Baldwin, Thomas O., Bryan, TX, United States  
Devine, Jerry H., College Station, TX, United States  
Shadel, Gerald S., College Station, TX, United States  
PA The Texas A&M University System, College Station, TX, United States  
(U.S. corporation)  
PI US 5196318 19930323  
AI US 1990-544268 19900626 (7)  
DT Utility  
FS Granted  
LN.CNT 1170  
INCL INCLM: 435/069.100

INCLS: 435/172.300; 435/320.100; 536/027.000  
NCL NCLM: 435/069.100  
NCLS: 435/091.410; 435/320.100; 435/488.000; 536/023.700  
IC [5]  
ICM: C12P021-00  
ICS: C12N015-09; C12N015-70; C12N015-31  
EXF 435/320.1; 435/172.3; 435/69.1; 536/27  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

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PAPERCHEM2, PATDD, PATDPA, PATDPAFULL, PATOSDE, PATOSEP, PATOSWO,  
PCTFULL, PCTGEN, PIRA, RAPRA, RDISCLOSURE, SYNTHLINE, ...' ENTERED AT  
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L1 2309 S (YENI OR CVII OR CARI OR LUX OR TRAI OR LASI OR VSMI) (2A) (G  
L2 83 S L1 AND HOMOSERINE (W) LACTONE AND PLANT?  
L3 9 S L2 NOT PY>1998

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L1: Entry 11 of 12

File: DWPI

Feb 27, 1997

DERWENT-ACC-NO: 1997-134163  
DERWENT-WEEK: 199713  
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TITLE: Inhibiting signal mols. involved in plant-microbial pathogen interaction -  
using antibodies or related cpds. against signal mol., also derived pathogen resistant  
plants

INVENTOR: DUERING, K

PATENT-ASSIGNEE:

ASSIGNEE

CODE

DUERING K

DUERI

PRIORITY-DATA: 1995DE-1048301 (December 22, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19548301 C1	February 27, 1997		003	A01H005/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 19548301C1	December 22, 1995	1995DE-1048301	

INT-CL (IPC): A01 H 1/06; A01 H 5/00; A01 N 63/00; A61 K 39/395; C07 K 16/12; C12 N 15/82

ABSTRACTED-PUB-NO: DE 19548301C  
BASIC-ABSTRACT:

Inhibition of signal mol. (A) of pathogens in plant-microbe interactions uses binding or catalytic antibodies (Ab) or Ab-like proteins.

Also claimed is pathogen-resistant transgenic plant contg. the genetic information (B) for producing Ab or Ab-like proteins directed against (A) or their structural features.

USE - The Ab neutralise (A) which are inducers of pathogenic factors in bacteria and are partic. used to combat bacteria that use homoserine lactone (HSL) as signalling cpd. (claimed), esp. Erwinia, Pseudomonas and Xanthomonas. The bacteria are not killed but pathogenicity is suppressed and this severely restricts reproduction because of nutrient limitation, so that symptoms of disease do not develop.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: INHIBIT SIGNAL MOLECULAR PLANT MICROBE PATHOGEN INTERACT ANTIBODY RELATED  
COMPOUND SIGNAL MOLECULAR DERIVATIVE PATHOGEN RESISTANCE PLANT

DERWENT-CLASS: B04 C06 D16 P13

CPI-CODES: B04-G01; C04-G01; B04-N04; C04-N04; B14-A01; C14-A01; D05-H11A1; D05-H11A2;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M710 M720 M903 N104 N135 N137 P220 Q233 V400

V404 V406 V600 V611

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1997-043503

Non-CPI Secondary Accession Numbers: N1997-110556

TITLE: Inhibiting signal mols. involved in plant-microbial pathogen interaction - using antibodies or related cpds. against signal mol., also derived pathogen resistant plants

INVENTOR: DUERING, K

PRIORITY-DATA: 1995DE-1048301 (December 22, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 19548301 C1	February 27, 1997		003	A01H005/00

INT-CL (IPC): A01 H 1/06; A01 H 5/00; A01 N 63/00; A61 K 39/395; C07 K 16/12; C12 N 15/82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

☐ 12. Document ID: US 6555356 B2 WO 9629392 A1 AU 9649996 A EP 815201 A1 NZ 303630 A BR 9607661 A JP 11502108 W AU 708962 B KR 98703211 A US 20020037578 A1 CN 1185173 A

L1: Entry 12 of 12

File: DWPI

Apr 29, 2003

DERWENT-ACC-NO: 1996-443169

DERWENT-WEEK: 200331

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TITLE: Inhibiting microbial processes regulated by homoserine lactone - using furanone derivs., pref. from algae, e.g. to prevent motility, swarming and enzyme prodn. in pathogenic bacteria

INVENTOR: DE NYS, P C; GIVSKOV, M ; GRAM, L ; KJELLEBERG, S ; MANEFIELD, M ; MAXIMILIEN, R ; STEINBERG, P ; CANISIUS DE NYS, P ; MAXIMILLIEN, R ; STEINBERG, P D

PRIORITY-DATA: 1995AU-0001912 (March 23, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6555356 B2	April 29, 2003		000	C12N001/38
WO 9629392 A1	September 26, 1996	E	029	C12N001/20
AU 9649996 A	October 8, 1996		000	C12N001/20
EP 815201 A1	January 7, 1998	E	000	C12N001/20
NZ 303630 A	January 26, 1998		000	C12N009/99
BR 9607661 A	June 16, 1998		000	C12N001/20
JP 11502108 W	February 23, 1999		031	C12N001/20
AU 708962 B	August 19, 1999		000	C12N001/20
KR 98703211 A	October 15, 1998		000	C12N001/20
US 20020037578 A1	March 28, 2002		000	C12N001/12
CN 1185173 A	June 17, 1998		000	C12N001/20

INT-CL (IPC): C12 N 1/12; C12 N 1/20; C12 N 1/38; C12 N 9/99; C12 N 11/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Clip Img	Image										

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L1: Entry 1 of 12

File: DWPI

May 15, 2003

DERWENT-ACC-NO: 2003-523075

DERWENT-WEEK: 200349

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TITLE: Use of 1,2-acylhydrazine derivatives in regulation of the microbial quorum sensing system for treating bacterial diseases and inhibiting biofilms on e.g. medical articles and devices

INVENTOR: AMMENDOLA, A; KRAMER, B ; SAEB, W

PRIORITY-DATA: 2001WO-EP12875 (November 7, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2003039529 A1	May 15, 2003	E	053	A61K031/175
US 20030105143 A1	June 5, 2003		000	A61K031/44

INT-CL (IPC): A61 K 6/00; A61 K 7/00; A61 K 31/13; A61 K 31/137; A61 K 31/175; A61 K 31/381; A61 K 31/40; A61 K 31/4178 ; A61 K 31/44; A61 K 31/4436; A61 K 31/444; A61 K 31/445; A61 K 31/4535; A61 P 31/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc
Image												

☐ 2. Document ID: WO 2003039549 A2

L1: Entry 2 of 12

File: DWPI

May 15, 2003

DERWENT-ACC-NO: 2003-513512

DERWENT-WEEK: 200349

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TITLE: Use of amide, carbazide, hydrazide, urea and guanidine derivatives for the regulation of the quorum sensing system of microorganisms

INVENTOR: AMMENDOLA, A; KRAMER, B ; SAEB, W

PRIORITY-DATA: 2002US-0094301 (March 8, 2002), 2001WO-EP12875 (November 7, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 2003039549 A2	May 15, 2003	E	051	A61K031/505

INT-CL (IPC): A61 K 31/38; A61 K 31/415; A61 K 31/42; A61 K 31/435; A61 K 31/44; A61 K 31/505; A61 P 31/04; C07 D 231/40 ; C07 D 307/68; C07 D 333/38; C07 D 409/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc
Image												

 3. Document ID: WO 200261099 A1

L1: Entry 3 of 12

File: DWPI

Aug 8, 2002

DERWENT-ACC-NO: 2002-619257

DERWENT-WEEK: 200266

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TITLE: Quenching quorum-sensing of plant pathogenic bacteria by transforming the plant with the *aiiA* gene or its functional fragment or modification, useful for conferring a broad spectrum of resistance to microbial infections

INVENTOR: DONG, Y; XU, J ; ZHANG, L ; ZHANG, X

PRIORITY-DATA: 2001WO-SG00012 (January 29, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200261099 A1	August 8, 2002	E	038	C12N015/82

INT-CL (IPC): C07 K 14/32; C12 N 15/82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

 4. Document ID: EP 1232271 A2 WO 200136460 A2 AU 200117230 A

L1: Entry 4 of 12

File: DWPI

Aug 21, 2002

DERWENT-ACC-NO: 2001-343798

DERWENT-WEEK: 200262

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TITLE: New transcriptional activator, useful for controlling gene expression, particularly in gene therapy, comprises fusion of DNA-binding and regulatory domains, plus activator of eukaryotic transcription

INVENTOR: CORTESE, R; DE FRANCESCO, R ; NEDDERMANN, P

PRIORITY-DATA: 1999GB-0027191 (November 17, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1232271 A2	August 21, 2002	E	000	C12N015/62
WO 200136460 A2	May 25, 2001	E	064	C07K014/00
AU 200117230 A	May 30, 2001		000	C07K014/00

INT-CL (IPC): C07 D 307/33; C07 K 14/00; C07 K 14/035; C07 K 14/195; C07 K 14/28; C07 K 14/47; C07 K 19/00; C12 N 15/12 ; C12 N 15/31; C12 N 15/38; C12 N 15/62; C12 N 15/67; C12 N 15/85

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

☐ 5. Document ID: JP 2001106608 A

L1: Entry 5 of 12

File: DWPI

Apr 17, 2001

DERWENT-ACC-NO: 2001-435837

DERWENT-WEEK: 200147

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TITLE: Plant growth stimulant or promoting adjuvant contains polysaccharide obtained from culturing of microorganism belonging to Klebsiella genus

PRIORITY-DATA: 1999JP-0320043 (October 6, 1999)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2001106608 A	April 17, 2001		008	A01N063/02

INT-CL (IPC): A01 N 63/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 6. Document ID: JP 2003504032 W WO 200102593 A2 AU 200060718 A EP 1190079 A2 US 6518066 B1

L1: Entry 6 of 12

File: DWPI

Feb 4, 2003

DERWENT-ACC-NO: 2001-091806

DERWENT-WEEK: 200320

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TITLE: Polynucleotide that incorporates elements, e.g. promoter comprising an AHL (acetylated homoserine lactone)-response element, of a bacterial quorum sensing system, useful for modulating gene expression in a wide variety of plants and animals

INVENTOR: ADAMS, T; ANDERSON, J C ; CROSSLAND, L D ; GAVRIAS, V ; MCBRIDE, K ; MILLER, P C ; OULMASSOV, T N ; ADAMS, T H ; MCBRIDE, K E ; QUOROLLO, B A

PRIORITY-DATA: 2000US-195690P (April 7, 2000), 1999US-148441P (July 1, 1999), 2000US-177578P (January 22, 2000), 2000US-0608958 (June 30, 2000)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003504032 W	February 4, 2003		151	C12N015/09
WO 200102593 A2	January 11, 2001	E	121	C12N015/82
AU 200060718 A	January 22, 2001		000	C12N015/82
EP 1190079 A2	March 27, 2002	E	000	C12N015/82
US 6518066 B1	February 11, 2003		000	C12N015/82

INT-CL (IPC): A01 H 5/00; A01 K 67/027; A61 K 31/34; A61 K 31/365; A61 K 31/7088; A61 K 48/00; A61 P 31/00; C07 D 307/33; C07 H 21/04; C12 N 1/19; C12 N 5/10; C12 N 15/09; C12 N 15/67; C12 N 15/81; C12 N 15/82; C12 N 15/85; C12 Q 1/02; C12 Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 7. Document ID: JP 2000069985 A

L1: Entry 7 of 12

File: DWPI

Mar 7, 2000

DERWENT-ACC-NO: 2000-368753

DERWENT-WEEK: 200051

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TITLE: Manufacture of plant growth promoter useful as plant antibiotic with excellent growth promotion effects - involves treating at least one part of a culture of a specific strain of microorganism under stress-load conditions

PRIORITY-DATA: 1998JP-0261026 (September 1, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000069985 A	March 7, 2000		014	C12P007/26

INT-CL (IPC): A01 N 35/04; A01 N 43/08; A01 N 43/36; A01 N 63/00; A01 N 63/02; C07 D 207/34; C07 D 307/33; C12 P 7/26; C12 P 17/04; C12 P 17/10; C12 R 1:39; C12 R 1:39; C12 R 1:39; C12 P 17/10; C12 P 17/04; C12 P 7/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

☐ 8. Document ID: JP 2002522079 W WO 200009704 A1 AU 9953796 A EP 1104472 A1

L1: Entry 8 of 12

File: DWPI

Jul 23, 2002

DERWENT-ACC-NO: 2000-224341

DERWENT-WEEK: 200263

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TITLE: Inducing target gene expression in plants such as melons, mangoes, soybean, via a gene switch operably linked to a foreign gene

INVENTOR: FRAY, R G; JEPSON, I ; MARTINEZ, A

PRIORITY-DATA: 1998GB-0017704 (August 13, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002522079 W	July 23, 2002		080	C12N015/09
WO 200009704 A1	February 24, 2000	E	078	C12N015/52
AU 9953796 A	March 6, 2000		000	C12N015/52
EP 1104472 A1	June 6, 2001	E	000	C12N015/52

INT-CL (IPC): A01 H 5/00; C12 N 5/10; C12 N 15/09; C12 N 15/52; C12 N 15/82; C12 Q 1/02; C12 Q 1/68; C12 N 5/10; C12 Q 1/02; C12 R 1:91; C12 R 1:91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Clip Img	Image										

☐ 9. Document ID: WO 200009696 A1 EP 1105491 A1 AU 9953795 A

L1: Entry 9 of 12

File: DWPI

Feb 24, 2000

DERWENT-ACC-NO: 2000-206008

DERWENT-WEEK: 200134

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TITLE: Protecting plants against bacteria infections and/or viral infections transmitted by bacteria comprising introducing the ability of synthesizing N-acyl-L-homoserine lactone into the plant

INVENTOR: FRAY, R G ; GRIERSON, D ; STEWART, G S A B ; THROUP, J P B ; WALLACE, A D R ; THROUP, J P ; WALLACE, A D

PRIORITY-DATA: 1998GB-0017707 (August 13, 1998)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200009696 A1	February 24, 2000	E	019	C12N015/31
EP 1105491 A1	June 13, 2001	E	000	C12N015/31
AU 9953795 A	March 6, 2000		000	C12N015/31

INT-CL (IPC): A01 H 5/00; C12 N 15/31; C12 N 15/82

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw. Desc
Image											

☐ 10. Document ID: US 5759798 A

L1: Entry 10 of 12

File: DWPI

Jun 2, 1998

DERWENT-ACC-NO: 1998-332131

DERWENT-WEEK: 199829

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TITLE: Assay for light-dependent detection of auto:inducer(s) - uses mutant auto:inducer bacteria that have mutation(s) in their auto:inducer luminescence pathways

INVENTOR: DUNLAP, P V

PRIORITY-DATA: 1995US-0569973 (December 8, 1995)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5759798 A	June 2, 1998		009	C12Q001/02

INT-CL (IPC): C12 Q 1/02

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw. Desc
Image											

☐ 11. Document ID: DE 19548301 C1

L1: Entry 11 of 12

File: DWPI

Feb 27, 1997

DERWENT-ACC-NO: 1997-134163

DERWENT-WEEK: 199713

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